Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/29/2017 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125406	0	1.41	125231	1.39
Blue	F	SSC	125000	124061	-1	3.17	124339	3.06
Blue	E	FITC	23795	23089	-3	2.53	1032	10.45
Blue	D	PE	29673	29056	-3	2.06	1044	9.77
Blue	B	PerCP-Cy5-5	48943	48312	-2	3.49	1388	16.96
Blue	A	PE-Cy7	44112	43459	-2	5.22	668	36.40
Red	C	APC	54273	53386	-2	2.68	3075	9.43
Red	A	APC-Cy7	54945	54065	-2	2.72	1128	11.17
Violet	B	V450	15756	15168	-4	3.99	724	8.88
Violet	A	V500	62569	61095	-3	3.75	2708	6.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19260	3.53	611	-3	N/A	N/A	Pass
Blue	F	SSC	61587	1.43	545	-1	N/A	N/A	Pass
Blue	E	FITC	113	41.37	547	-3	0.0202	251	Pass
Blue	D	PE	227	30.17	545	-1	0.1721	312	Pass
Blue	B	PerCP-Cy5-5	217	46.11	635	-4	0.0102	139	Pass
Blue	A	PE-Cy7	74	119.14	690	-9	0.0113	12	Pass
Red	C	APC	363	27.09	597	-3	0.0202	38	Pass
Red	A	APC-Cy7	123	40.56	574	-10	0.0056	1580	Pass
Violet	B	V450	88	40.70	472	0	0.0471	1750	Pass
Violet	A	V500	197	24.82	500	1	0.0143	927	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.06	-31.35	0.87
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.87	13.27 - 19.91	N/A	N/A	31.18	31.83	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9551

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments